

Appendix B
Pend Oreille Sub-Basin Cumulative Watershed Effects Summary Reports

POL CWE Summary Report

Berry Creek



HUC4 Number	17010214	HUC4 Name	Pend Oreille Lake
HUC6 Number	0503	HUC6 Name	Berry Creek
Acres	6087	303(d) Listed	No
FPA Acres	6002	303(d) Pollutant(s)	N/A
Evaluation Year	1998	303(d) Comments	N/A

Scores

Ratings

Channel Stability Index	44	Channel Stability Rating	Moderate
Canopy Removal Index	0.16	Hydrologic Risk Rating	Low
# Segments w/Low Temp Rating	15 of 20		
# Segments w/High Temp Rating	5 of 20	Canopy Closure/Temperature Rating	High
Roads Score	46.7	Roads Rating	Moderate
Skid Trail Score	12	Skid Trail Rating	High
Mass Failure Score	92.8	Mass Failure Rating	High
Total Sediment Delivery Score	151.5	Total Sediment Delivery Rating	High
Nutrient Current Condition Score	0	Nutrient Current Condition Rating	N/A
		Nutrient Hazard Rating	Moderate
		Overall Nutrient Rating	N/A
		CWE Surface Erosion Hazard Rating	High
		CWE Mass Failure Hazard Rating	Low
		Beneficial Use Condition (BURP)	

Adverse Conditions

Temperature Adverse Condition	Yes	Beneficial Use/Fine Sediment Adverse Condition	Yes
Nutrient Adverse Condition	N/A	Hydrologic Adverse Condition	No

POL CWE Summary Report

Caribou Creek



HUC4 Number 17010214
HUC6 Number 0504
Acres 9173
FPA Acres 9154

HUC4 Name Pend Oreille Lake
HUC6 Name Caribou Creek
303(d) Listed Yes
303(d) Pollutant(s) sediment
303(d) Comments 305(b) appendix D

Scores

Channel Stability Index 48
Canopy Removal Index 0.24
Segments w/Low Temp Rating 9 of 13
Segments w/High Temp Rating 4 of 13
Roads Score 35.4
Skid Trail Score 6
Mass Failure Score 54.0
Total Sediment Delivery Score 95.4
Nutrient Current Condition Score 0

Ratings

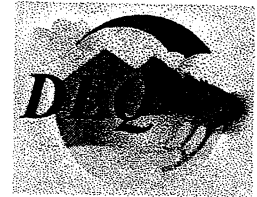
Channel Stability Rating Moderate
Hydrologic Risk Rating Low
Canopy Closure/Temperature Rating High
Roads Rating Moderate
Skid Trail Rating Low
Mass Failure Rating High
Total Sediment Delivery Rating Moderate
Nutrient Current Condition Rating N/A
Nutrient Hazard Rating Moderate
Overall Nutrient Rating N/A
CWE Surface Erosion Hazard Rating High
CWE Mass Failure Hazard Rating Low
Beneficial Use Condition (BURP)

Adverse Conditions

Temperature Adverse Condition Yes
Nutrient Adverse Condition N/A
Beneficial Use/Fine Sediment Adverse Condition Yes
Hydrologic Adverse Condition No

POL CWE Summary Report

Cascade Creek



HUC4 Number	17010213	HUC4 Name	Lower Clark Fork
HUC6 Number	0203	HUC6 Name	Cascade Creek
Acres	3849	303(d) Listed	No
FPA Acres	3554	303(d) Pollutant(s)	N/A
Evaluation Year	1998	303(d) Comments	N/A

Scores

Ratings

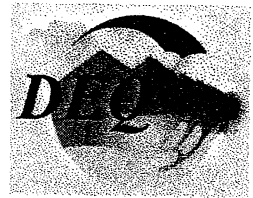
Channel Stability Index	53	Channel Stability Rating	Moderate
Canopy Removal Index	0.16	Hydrologic Risk Rating	Low
# Segments w/Low Temp Rating	4 of 6	Canopy Closure/Temperature Rating	High
# Segments w/High Temp Rating	2 of 6	Roads Rating	Low
Roads Score	19.4	Skid Trail Rating	Low
Skid Trail Score	2	Mass Failure Rating	Low
Mass Failure Score	9.0	Total Sediment Delivery Rating	Low
Total Sediment Delivery Score	30.4	Nutrient Current Condition Rating	N/A
Nutrient Current Condition Score	0	Nutrient Hazard Rating	High
		Overall Nutrient Rating	N/A
		CWE Surface Erosion Hazard Rating	Moderate
		CWE Mass Failure Hazard Rating	High
		Beneficial Use Condition (BURP)	

Adverse Conditions

Temperature Adverse Condition	Yes	Beneficial Use/Fine Sediment Adverse Condition	
Nutrient Adverse Condition	N/A	Hydrologic Adverse Condition	No

POL CWE Summary Report

Cocolalla Creek



HUC4 Number 17010214
HUC6 Number 1105
Acres 17276
FPA Acres 14407

HUC4 Name Pend Oreille Lake
HUC6 Name Cocolalla Creek
303(d) Listed Yes
303(d) Pollutant(s) sediment, thermal modification
303(d) Comments 305(b) appendix D, SSOC-"p" for CWB

Scores

<i>Channel Stability Index</i>	50
<i>Canopy Removal Index</i>	0.24
<i># Segments w/Low Temp Rating</i>	3 of 8
<i># Segments w/High Temp Rating</i>	5 of 8
<i>Roads Score</i>	17.2
<i>Skid Trail Score</i>	6
<i>Mass Failure Score</i>	9.0
<i>Total Sediment Delivery Score</i>	32.2
<i>Nutrient Current Condition Score</i>	35

Ratings

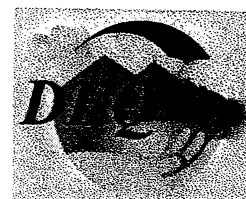
<i>Channel Stability Rating</i>	Moderate
<i>Hydrologic Risk Rating</i>	Low
<i>Canopy Closure/Temperature Rating</i>	High
<i>Roads Rating</i>	Low
<i>Skid Trail Rating</i>	Low
<i>Mass Failure Rating</i>	Low
<i>Total Sediment Delivery Rating</i>	Low
<i>Nutrient Current Condition Rating</i>	Moderate
<i>Nutrient Hazard Rating</i>	Moderate
<i>Overall Nutrient Rating</i>	Moderate
<i>CWE Surface Erosion Hazard Rating</i>	High
<i>CWE Mass Failure Hazard Rating</i>	Low
<i>Beneficial Use Condition (BURP)</i>	

Adverse Conditions

<i>Temperature Adverse Condition</i>	Yes	<i>Beneficial Use/Fine Sediment Adverse Condition</i>	
<i>Nutrient Adverse Condition</i>	No	<i>Hydrologic Adverse Condition</i>	No

POL CWE Summary Report

Colburn Creek



HUC4 Number	17010214	HUC4 Name	Pend Oreille Lake
HUC6 Number	0403	HUC6 Name	Colburn Creek
Acres	5517	303(d) Listed	No
FPA Acres	4453	303(d) Pollutant(s)	N/A
Evaluation Year	1998	303(d) Comments	N/A

Scores

Ratings

Channel Stability Index	67	Channel Stability Rating	High
Canopy Removal Index	0.15	Hydrologic Risk Rating	Low
# Segments w/Low Temp Rating	0 of 3		
# Segments w/High Temp Rating	3 of 3	Canopy Closure/Temperature Rating	High
Roads Score	27.8	Roads Rating	Low
Skid Trail Score	4	Skid Trail Rating	Low
Mass Failure Score	101.7	Mass Failure Rating	High
Total Sediment Delivery Score	133.5	Total Sediment Delivery Rating	High
Nutrient Current Condition Score	0	Nutrient Current Condition Rating	N/A
		Nutrient Hazard Rating	Moderate
		Overall Nutrient Rating	N/A
		CWE Surface Erosion Hazard Rating	High
		CWE Mass Failure Hazard Rating	Low
		Beneficial Use Condition (BURP)	

Adverse Conditions

Temperature Adverse Condition	Yes	Beneficial Use/Fine Sediment Adverse Condition	Yes
Nutrient Adverse Condition	N/A	Hydrologic Adverse Condition	No

POL CWE Summary Report

Curtis Creek



<i>HUC4 Number</i>	17010214	<i>HUC4 Name</i>	Pend Oreille Lake
<i>HUC6 Number</i>	1304	<i>HUC6 Name</i>	Curtis Creek
<i>Acres</i>	11489	<i>303(d) Listed</i>	No
<i>FPA Acres</i>	10499	<i>303(d) Pollutant(s)</i>	N/A
<i>Evaluation Year</i>	1998	<i>303(d) Comments</i>	N/A

Scores

Ratings

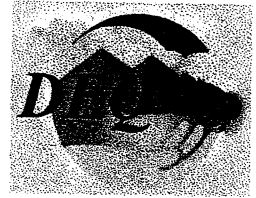
<i>Channel Stability Index</i>	44.5	<i>Channel Stability Rating</i>	Moderate
<i>Canopy Removal Index</i>	0.26	<i>Hydrologic Risk Rating</i>	Low
<i># Segments w/Low Temp Rating</i>	9 of 13		
<i># Segments w/High Temp Rating</i>	4 of 13	<i>Canopy Closure/Temperature Rating</i>	High
<i>Roads Score</i>	18.7	<i>Roads Rating</i>	Low
<i>Skid Trail Score</i>	12	<i>Skid Trail Rating</i>	High
<i>Mass Failure Score</i>	10.1	<i>Mass Failure Rating</i>	Low
<i>Total Sediment Delivery Score</i>	40.8	<i>Total Sediment Delivery Rating</i>	Low
<i>Nutrient Current Condition Score</i>	0	<i>Nutrient Current Condition Rating</i>	N/A
		<i>Nutrient Hazard Rating</i>	Low
		<i>Overall Nutrient Rating</i>	N/A
		<i>CWE Surface Erosion Hazard Rating</i>	Low
		<i>CWE Mass Failure Hazard Rating</i>	Moderate
		<i>Beneficial Use Condition (BURP)</i>	

Adverse Conditions

<i>Temperature Adverse Condition</i>	Yes	<i>Beneficial Use/Fine Sediment Adverse Condition</i>	
<i>Nutrient Adverse Condition</i>	N/A	<i>Hydrologic Adverse Condition</i>	No

POL CWE Summary Report

Falls Creek



<i>HUC4 Number</i>	17010214	<i>HUC4 Name</i>	Pend Oreille Lake
<i>HUC6 Number</i>	0311	<i>HUC6 Name</i>	Falls Creek
<i>Acres</i>	3065	<i>303(d) Listed</i>	No
<i>FPA Acres</i>	3034	<i>303(d) Pollutant(s)</i>	N/A
<i>Evaluation Year</i>	1998	<i>303(d) Comments</i>	N/A

Scores

<i>Channel Stability Index</i>	34
<i>Canopy Removal Index</i>	0.04
<i># Segments w/Low Temp Rating</i>	9 of 10
<i># Segments w/High Temp Rating</i>	1 of 10
<i>Roads Score</i>	28.5
<i>Skid Trail Score</i>	2
<i>Mass Failure Score</i>	9.0
<i>Total Sediment Delivery Score</i>	39.5
<i>Nutrient Current Condition Score</i>	29

Ratings

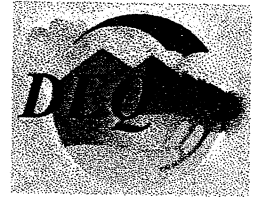
<i>Channel Stability Rating</i>	Low
<i>Hydrologic Risk Rating</i>	Low
<i>Canopy Closure/Temperature Rating</i>	High
<i>Roads Rating</i>	Low
<i>Skid Trail Rating</i>	Low
<i>Mass Failure Rating</i>	Low
<i>Total Sediment Delivery Rating</i>	Low
<i>Nutrient Current Condition Rating</i>	Low
<i>Nutrient Hazard Rating</i>	Moderate
<i>Overall Nutrient Rating</i>	Low
<i>CWE Surface Erosion Hazard Rating</i>	Low
<i>CWE Mass Failure Hazard Rating</i>	High
<i>Beneficial Use Condition (BURP)</i>	

Adverse Conditions

<i>Temperature Adverse Condition</i>	Yes	<i>Beneficial Use/Fine Sediment Adverse Condition</i>	
<i>Nutrient Adverse Condition</i>	No	<i>Hydrologic Adverse Condition</i>	No

POL CWE Summary Report

Fish Creek



HUC4 Number	17010214	HUC4 Name	Pend Oreille Lake
HUC6 Number	1106	HUC6 Name	Fish Creek
Acres	6430	303(d) Listed	Yes
FPA Acres	6001	303(d) Pollutant(s)	sediment, thermal modification, pathogens
Evaluation Year	1998	303(d) Comments	305(b) appendix D

Scores

Ratings

Channel Stability Index	63	Channel Stability Rating	High
Canopy Removal Index	0.34	Hydrologic Risk Rating	Moderate
# Segments w/Low Temp Rating	3 of 7	Canopy Closure/Temperature Rating	High
# Segments w/High Temp Rating	4 of 7	Roads Rating	Low
Roads Score	21.0	Skid Trail Rating	Low
Skid Trail Score	4	Mass Failure Rating	Low
Mass Failure Score	9.0	Total Sediment Delivery Rating	Low
Total Sediment Delivery Score	34.0	Nutrient Current Condition Rating	Moderate
Nutrient Current Condition Score	36	Nutrient Hazard Rating	Moderate
		Overall Nutrient Rating	Moderate
		CWE Surface Erosion Hazard Rating	High
		CWE Mass Failure Hazard Rating	Low
		Beneficial Use Condition (BURP)	

Adverse Conditions

Temperature Adverse Condition	Yes	Beneficial Use/Fine Sediment Adverse Condition	
Nutrient Adverse Condition	No	Hydrologic Adverse Condition	No

POL CWE Summary Report

Gold Creek



HUC4 Number 17010214
HUC6 Number 1003
Acres 6626
FPA Acres 6587
Evaluation Year 1998

HUC4 Name Pend Oreille Lake
HUC6 Name Gold Creek
303(d) Listed Yes
303(d) Pollutant(s) sediment, habitat alteration
303(d) Comments SSOC-"s/t" for CWB and SS

Scores

Channel Stability Index 53.5
Canopy Removal Index 0.29
Segments w/Low Temp Rating 6 of 9
Segments w/High Temp Rating 3 of 9
Roads Score 22.8
Skid Trail Score 2
Mass Failure Score 12.5
Total Sediment Delivery Score 37.4
Nutrient Current Condition Score 25

Ratings

Channel Stability Rating Moderate
Hydrologic Risk Rating Moderate
Canopy Closure/Temperature Rating High
Roads Rating Low
Skid Trail Rating Low
Mass Failure Rating Low
Total Sediment Delivery Rating Low
Nutrient Current Condition Rating Low
Nutrient Hazard Rating High
Overall Nutrient Rating Moderate
CWE Surface Erosion Hazard Rating Low
CWE Mass Failure Hazard Rating High
Beneficial Use Condition (BURP)

Adverse Conditions

Temperature Adverse Condition	Yes	Beneficial Use/Fine Sediment Adverse Condition	
Nutrient Adverse Condition	No	Hydrologic Adverse Condition	No

POL CWE Summary Report

Gold Creek (Pack River)



HUC4 Number 17010214
HUC6 Number 0506
Acres 7472
FPA Acres 6503
Evaluation Year 1998

HUC4 Name Pend Oreille Lake
HUC6 Name Gold Creek (Pack River)
303(d) Listed No
303(d) Pollutant(s) N/A
303(d) Comments N/A

Scores

Channel Stability Index 60.5
Canopy Removal Index 0.07
Segments w/Low Temp Rating 2 of 11
Segments w/High Temp Rating 9 of 11
Roads Score 18.3
Skid Trail Score 2
Mass Failure Score 9.0
Total Sediment Delivery Score 29.3
Nutrient Current Condition Score 0

Ratings

Channel Stability Rating High
Hydrologic Risk Rating Low
Canopy Closure/Temperature Rating High
Roads Rating Low
Skid Trail Rating Low
Mass Failure Rating Low
Total Sediment Delivery Rating Low
Nutrient Current Condition Rating N/A
Nutrient Hazard Rating Moderate
Overall Nutrient Rating N/A
CWE Surface Erosion Hazard Rating High
CWE Mass Failure Hazard Rating High
Beneficial Use Condition (BURP)

Adverse Conditions

Temperature Adverse Condition Yes
Nutrient Adverse Condition N/A
Beneficial Use/Fine Sediment Adverse Condition
Hydrologic Adverse Condition No